CLAIMS

We claim:

1 1. A method for managing a cache, comprising the acts of:

2   analyzing information stored in a caching profile;

3   responsive to the act of analyzing, selecting a preferred caching algorithm from a plurality

4 of caching algorithms; and

5   determining whether a file should be included in a cache according to the preferred

6 caching algorithm.

2. The method of claim 1, wherein the act of analyzing is performed by a predictive modeling

engine.

1   3. A method for managing a cache, comprising the acts of:

2   updating a caching profile in response to arrival of a file;

3   analyzing information stored in the caching profile;

4   responsive to the act of analyzing, selecting a preferred caching algorithm from a plurality

5 of caching algorithms; and

6   determining whether the file should be included in a cache according to the preferred

7 caching algorithm.

1   4. The method of claim 3, wherein the act of analyzing is performed by a predictive modeling

2 engine.

1   5. A method for managing a cache, comprising the acts of:

2   analyzing information stored in a caching profile by computing a plurality of metrics;

3   responsive to a comparison of the metrics one with another, selecting a preferred caching

4   algorithm from a plurality of caching algorithms; and

5   determining whether a file should be included in a cache according to the preferred

6   caching algorithm.

6. The method of claim 5, wherein the plurality of metrics includes clustering metrics.

7. The method of claim 5, wherein the plurality of metrics includes scattering metrics.

8. The method of claim 5, wherein the plurality of caching algorithms includes a least-used

caching algorithm, a most-used caching algorithm, a least-recently-used caching algorithm, and a

most-recently-used caching algorithm.